F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

CONSTRUCTION DETAILS

A. Install at 27 ft. steel pole with a single 60 ft. mast arm, signal heads, and signs station 409+75; right 32'. (Note: one - 2 in. PVC schedule 80 conduit bend and four 2" x 90" anchor bolts. Also, cut 27ft. pole to 21ft.).

B. Install at 27 ft. steel pole with a twin 70 ft./50 ft. mast arms, signal heads, and two 20 ft. lighting arm with 250 watt HPS lamp and luminaire signs at station 407+77; left 18'. (Note: one - 2 in. PVC schedule 80 conduit bend and four 2" x 90" anchor bolts).

C. Install a base mounted controller and cabinet (size 6) at station 409+00; right ~~34'~~ 30' 36.5 ft. (Note: two - 4 in., and two - 2 in. PVC schedule 80 conduit bends). Also contractor shall modify the controller foundation to utilize the proposed sidewalk as the courtesy pad or as directed by the MD-SHA Engineer.

D. Install a 6 ft. x 6 ft. vehicle loop detector (4-turns) encased in flexible tubing.

E. Install a 1 in. liquid tight, flexible, non-metallic conduit for detector wire sleeve.

F. Install an electrical handhole.

G. Install a 2 in. PVC schedule 80 electrical conduit - trenched.

H. Install a ground mounted sign as shown.

J. Install a 3 in. PVC schedule 80 electrical conduit - trenched.

K. Install a 3 in. PVC schedule 80 electrical conduit - bored.

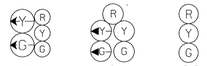
L. Install a 6 ft. x 30 ft. quadruple vehicle loop detector (3-6-3 turns) encased in flexible tubing.

M. Install a 24 in. white reflective thermoplastic pavement marking.

N. Install a 4 in. PVC schedule 80 electrical conduit - trenched.

PROPOSED SIGNALS

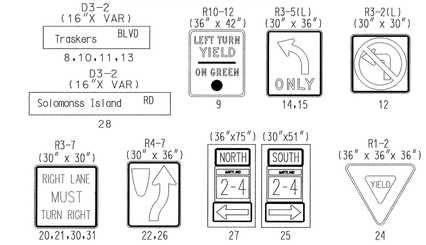
12"/8" 12" 12"



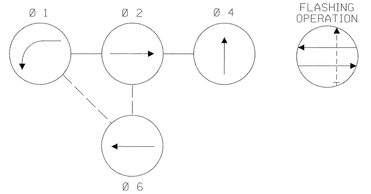
1 2 3-7

MD 2-4 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

PROPOSED SIGNS

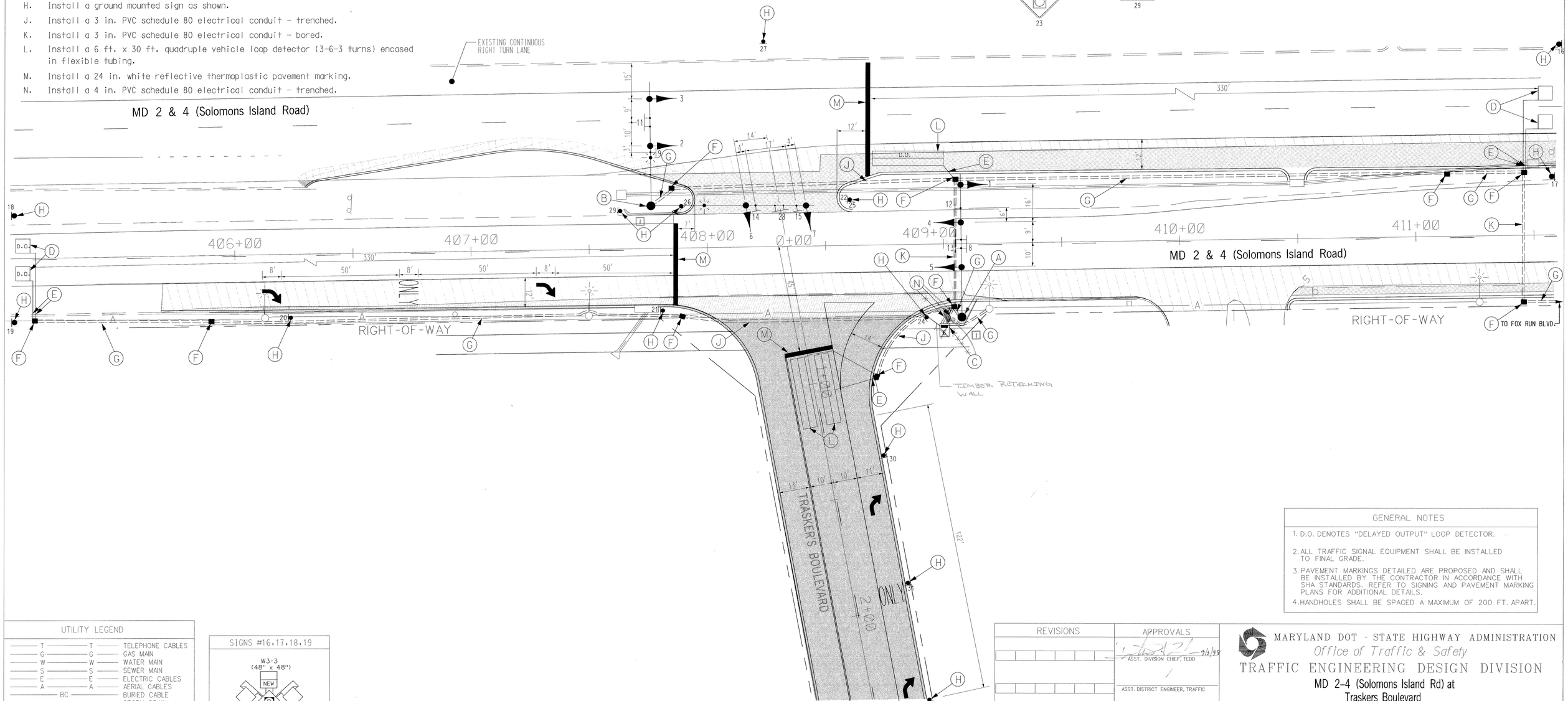


NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



GENERAL NOTES

1. D.O. DENOTES "DELAYED OUTPUT" LOOP DETECTOR.
2. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
4. HANDHOLES SHALL BE SPACED A MAXIMUM OF 200 FT. APART.

UTILITY LEGEND

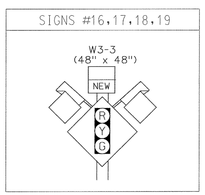
T	TELEPHONE CABLES
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

SIGNS #16,17,18,19



REVISIONS

1	Redline Revision 10/30/98

APPROVALS

ASST. DIVISION CHIEF, TEDD — 7/3/98

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

WELLS & ASSOCIATES, LLC.
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1420 Spring Hill Road, Suite 600, Mclean, Virginia 22102 Phone: 703-917-6620 Facsimile: 703-917-6275
2661 Riva Road, Suite 306, Annapolis, Maryland 21401 Phone: 410-266-5705 Facsimile: 410-266-1091
418 Virginia Avenue, Fowson, Maryland 21286 Phone: 410-825-2501 Facsimile: 410-825-2517

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2-4 (Solomons Island Rd) at Traskers Boulevard

LOG MILE *: DATE 5 / 1 / 98

DRAWN BY: Wells & Assoc. F.A.P. NO.
CHECK BY: Wells & Assoc. S.H.A. NO. BW996M82
MAR 8-31-98 SCALE: 1" = 20' COUNTY CALVERT
PLAN SHEET NO.: TS-3834 SHEET NO. ____ OF ____